

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	"6701306".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 13:32
S2	11	("5598559"   "5659725"   "5781906"   "5845270"   "5857180"   "6085147"   "6263339"   "6292810"   "6317750"   "6567814"   "6591235").PN. OR ("6701306").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 13:35
S3	1	"5852446".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 13:36
S4	13	("4586038"   "4851825"   "4855934"   "5347618"   "5371843"   "5392392"   "5402533"   "5438656"   "5528737"   "5594854").PN. OR ("5852446").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 13:39
S5	1	"5220647".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 13:39
S6	13	("4879665"   "4918742"   "4945496").PN. OR ("5220647").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 13:41
S7	40	S1 or S2 or S3 or S4 or S5 or S6	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 13:41
S8	17	S7 and (polygon or primitive or triangle)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 13:42
S9	1	S8 and (tile same (boundary or border))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 13:45
S10	1544	345/694,581,423,428,149.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 13:50
S11	2263	382/195,197,199,201-204.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 13:51
S12	13961	707/3,2,10,101,102.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 13:53
S13	220	706/11.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/12 13:53

## EAST Search History

S14	1550	345/694,581,423,428,149.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 09:03
S15	2264	382/195,197,199,201-204.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 09:04
S16	13993	707/3,2,10,101,102.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 09:04
S17	220	706/11.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 09:04
S18	17979	S14 or S15 or S16 or S17	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 09:05
S19	1248	S18 and (decompos\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 08:53
S20	313	S19 and (polygon or primitive or triangle)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 08:54
S21	63	S20 and (til\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 09:00
S22	54	S21 and (boundary or border or interior or exterior or crossed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:02
S26	1551	345/694,581,423,428,149.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:04
S27	3478	382/195,197,199,201-204.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:04
S28	13993	707/3,2,10,101,102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:04

## EAST Search History

S29	241	706/11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:04
S30	17979	S26 or S27 or S28 or S29	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 09:05
S31	19215	S26 or S27 or S28 or S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:05
S32	1264	S31 and (decompos\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:06
S33	313	S32 and (polygon or triangle or primitive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:06
S34	63	S33 and (til\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:07
S35	54	S34 and (boundary or border or interior or exterior or crossed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 09:09
S36	37	S35 and spatial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 13:25
S37	2	"6424345".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 15:36

## EAST Search History

S38	517347	decompos\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/14 15:37
S39	517347	decompos\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:37
S40	11396	S39 and (polygon or primitive or triangle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:38
S41	5733	S40 and (til\$3 or bin or cell or seed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:41
S42	2531	S41 and (boundary or border)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:41
S43	204	S42 and ((boundary or border) same tile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:42
S44	17	S43 and ((boundary or border) adj tile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:43
S45	17	S42 and ((boundary or border) adj tile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:44

## EAST Search History

S46	17	S45 and (line or edge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 15:45
S47	16	S46 and spatial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/14 16:50
S50	11	("5598559"   "5659725"   "5781906"   "5845270"   "5857180"   "6085147"   "6263339"   "6292810"   "6317750"   "6567814"   "6591235").PN. OR ("6701306").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/15 08:37
S51	3	S50 and (decompos\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 17:01
S52	0	S51 and (polygon or primitive or triangle)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/14 17:01
S64	131	teig-steven.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 08:51
S65	80	S64 and decompos\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 08:52
S66	29	S65 and (polygon or primitive or triangle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 12:51
S67	3	S66 and (spatial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 08:52

## EAST Search History

S68	1463647	design\$5 same (edge or line)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 12:52
S69	25567	S68 and decompos\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 12:52
S70	2710	S69 and (polygon or primitive or triangle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 12:53
S71	911	S70 and spatial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 12:53
S72	662	S71 and (border or boundary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:24
S73	332	S72 and (til\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 12:54
S74	134	S73 and ((boundary or border) same tile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 12:55
S75	157	S73 and ((boundary or border) same til\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 12:55

## EAST Search History

S76	13	S75 and ((boundary or border) adj til\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 12:55
S77	1812	east\$3 same (boundary or border)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:19
S78	81	S77 and decompos\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:19
S79	11	S78 and (primitive or polygon or triangle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:20
S80	11	S79 and (edge or line or vector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:21
S81	6	S80 and ((edge or line) same (border or boundary))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:21
S82	606	S72 and (til\$3 or block\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:24
S83	277	S72 and (east\$3 or west\$3 or north\$3 or south\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:25

## EAST Search History

S84	270	S83 and (til\$3 or block\$3 or cell or rectangle or square)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:26
S85	270	S84 and (line or edge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:27
S86	147	S85 and ((til\$3 or cell or block) same (boundary or border))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:28
S87	114	S86 and ((edge or line) same (border or boundary))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:30
S88	4	S87 and ((border or boundary) adj (tile or block or square or rectangle))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:31
S89	1240	((polygon or triangle or primitive) same (til\$3 or square) same (interior or internal or inside) same (exterior or external or outside))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 15:30
S90	69	((polygon or triangle or primitive) same (til\$3 or square) same (interior or internal or inside) same (exterior or external or outside)) and "345"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/22 15:30
S91	5	polygon same conver\$4 same intersect\$3 same tile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 12:49



## EAST Search History

S92	328	polygon same conver\$4 same intersect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 12:49
S93	386	polygon same conver\$4 same intersect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 12:51
S94	6	polygon same conver\$4 same intersect\$3 same tile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 12:49
S95	26	polygon same conver\$4 same (self near2 intersect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 12:51
S96	97139	(direction or orientation) same (segment or edge) same (tile or square or cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 17:45
S97	3988	(direction or orientation) near5 (segment or edge) with (tile or square or cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 17:45
S98	668	(direction or orientation) near5 (segment or edge) with (tile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 17:45
S99	626	(direction) near5 (segment or edge) with (tile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 17:45

## EAST Search History

S10 0	26	(direction) near5 (segment or edge) with (tile) and "345"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 17:51
S10 1	5	(direction) near5 (segment or edge) with (tile) and "382"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 17:51
S10 2	1810	345/694,581,423,428,149.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 18:32
S10 3	3703	382/195,197,199,201-204.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 18:32
S10 4	17737	707/3,2,10,101,102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 18:32
S10 5	260	706/11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 18:32
S10 6	23456	S102 or S103 or S104 or S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 18:32
S10 7	1482	S106 and (decompos\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 18:32

## EAST Search History

S10 8	360	S107 and (polygon or triangle or primitive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 18:32
S10 9	81	S108 and (til\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 18:32
S11 0	70	S109 and (boundary or border or interior or exterior or crossed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 18:32
S11 1	50	S110 and spatial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/11 18:32
S11 2	1276	((polygon or triangle or primitive) same (til\$3 or square) same (interior or internal or inside) same (exterior or external or outside))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/11 18:33
S11 3	5	S106 and ((polygon or triangle or primitive) same (til\$3 or square) same (interior or internal or inside) same (exterior or external or outside))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/11 18:41
S11 4	5	"190666".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/11 18:41
S11 5	2	"09190666".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/11 18:41

## EAST Search History

S11 6	0	"09190666".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/11 18:42
S11 7	5	"190666".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/11 18:42